## Remarks

Claim 1 has been amended, and claims 23-44 have been cancelled. Claims 1-22 remain in the application. Applicants request that the application be examined on the merits.

Respectfully submitted,

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May 4, 2001

## CLAIM AS AMENDED

1. (Amended) An attenuated derivative of a pathogenic microorganism which further comprises:

- (a) an inactivating mutation in a native chromosomal essential gene;
- (b) a recombinant complementing gene on an extrachromosomal vector encoding a functional replacement for the essential enzyme, wherein the complementing gene can recombine to replace the defective chromosomal gene; and
- (c) a desired gene on the extrachromosomal vector, wherein the desired gene is a recombinant gene encoding a desired gene product;

wherein the desired gene is stably maintained in a progeny population of the roorganism.

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